REPO

NAS Meridian Attachment H – In Kind Consideration Scope of Work

Smart Inverters and Microgrid Controls

Silicon Ranch Corporation (SRC), and/or its contractors, shall furnish and install "smart" inverters, fiber optic communication cables, and microgrid controls as in-kind consideration (IKC) for the Naval Air Station (NAS) Meridian solar photovoltaic (PV) project (the project). The project consists of two PV arrays of 1 megawatt direct current (MW_{DC}) and 5 MW_{DC} for a total installed capacity of 6 MW_{DC} on NAS Meridian. The two arrays will be separately metered, but collocated and operated as a single plant. The project also includes construction of a new dedicated 12 kilovolt (kV) underground circuit connecting the new PV plant to th .) No. 1 Substation at NAS Meridian.

SRC, or its contractors, shall furnish and install advanced "smart" inverters in lieu of standard inverters at NAS Meridian. The inverters shall be capable of active power curtailment, reactive power control, power factor control, frequency control, voltage and frequency ride-through, and ramp-rate controls compliant with interconnection and local system operation requirements.

(b) (4) [redacted]

SRC, or its subcontractors, shall furnish and install a fiber optic communications link connecting the PV plant, the (b) (4) Substation, and the (b) (4) Generating Station. Additionally, SRC or its subcontractors shall furnish and install hardware and software necessary (such as plant control systems, meters, transformers, breakers, switches, protection systems, microgrid control systems, communications links, and/or supervisory control and data acquisition (SCADA) components) to provide continuous monitoring and stable control of the NAS Meridian distribution system operational parameters (absolute active power, frequency, reactive power, power factor, voltage, energy production, fault-current set points, ride-through voltage and current set points, etc.) in both grid-

(b) (4) (b) (4) [redacted]

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[redacted]

SRC, or its contractors, shall provide 50%, 90%, 100%, and as-built drawings to DON for approval during the design and construction phases of this project. SRC or its contractors shall coordinate with DON REPO to develop mutually agreeable delivery dates, required adjudication time, and required review time for each of these drawings.

In summary, the new PV plant and associated systems will provide NAS Meridian with increased energy security via a more resilient, stable, and manageable microgrid that can fully supply the base's load during a grid outage for a longer time due to solar PV plant output displacing diesel generation and reducing diesel fuel consumption. This increased energy security will serve as the IKC for the land lease associated with the new PV plant.

Operations and Maintenance and Training for NAS Meridian Microgrid Controls

SRC, or its contractors, will be responsible for operations and maintenance of the equipment within SRC's demarcation; SRC or its contractors will not be responsible for existing infrastructure or items outside the scope of the IKC equipment.

SRC shall assume the parties will enter into a definitive operations and maintenance agreement, including, but not limited to, definition of scope, commercial terms, limits of liability, standards of performance, term, insurance requirements, default & termination provisions, representations/warranties/covenants, etc.

SRC will be the counterparty to the operations and maintenance agreement; however, the onsite operations, maintenance, and training would be performed by a third-party subcontractor to SRC. Appropriate access rights to the facility will need to be granted by DON to the third-party subcontractor.

Any third parties that require access to the base will be required to satisfy NAS Meridian's background/security procedures. RAPIDGATE is the mandated method for access. If anyone fails to meet the background/security check criteria, alternate personnel must be used that satisfy the criteria for access to NAS Meridian.